

GPR41 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP03748
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human FFAR3. AA range:11-60
Mol wt	38649
Species reactivity	Human, Mouse
Clonality	Polyclonal
Recommended application	WB, IF, ELISA
Concentration	1 mg/ml
Full name	GPR41 Antibody
Synonyms	FFAR3; GPR41; Free fatty acid receptor 3; G-protein coupled receptor 41

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Receptor for short chain fatty acids. The activity of this receptor is coupled to the formation of inositol 1,4,5-trisphosphate, intracellular Ca²⁺ mobilization, the activation of ERK 1/2 and inhibition of intracellular cAMP accumulation. Coupled exclusively to the pertussis toxin-sensitive G(i/o)-alpha protein. The rank order of potency for agonists of this receptor is propionate = pentanoate = butyrate > acetate > formate.

Recommended Dilution

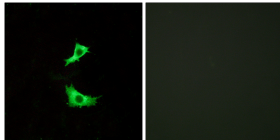
WB: 1: 500 - 1: 2000

IF: 1: 200 - 1: 1000

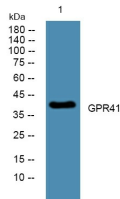
ELISA: 1: 5000

Not yet tested in other applications.

Images



Immunofluorescence analysis of LOVO cells, using FFAR3 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4° over night

Storage

-20°C for one year